

EFFLUENT CHARACTERISTIC PARAMETER	EFFLUENT LIMITS			MONITORING REQUIREMENTS	
	AVERAGE MONTHLY	AVERAGE WEEKLY	MAXIMUM DAILY	MEASUREMENT FREQUENCY	SAMPLE TYPE <sup>2, 6</sup>
Flow (mgd)	Report	-	Report	Continuous	Recorder <sup>1</sup>
Oil & Grease (mg/l)	-	-	15	1/Month <sup>3</sup>	Grab
pH (SU)		pH ≥ 6.5, ≤ 8.3		1/Month <sup>3</sup>	Grab
Fecal Coliform Bacteria (colony forming units/100 mg)	Report	-	Report	1/Month <sup>3</sup> (Wet) 1/Month <sup>4</sup> (Dry)	Grab
E. coli (colony forming units/100 mg)	Report	-	Report	1/Month <sup>3</sup> (Wet) 1/Month <sup>4</sup> (Dry)	Grab
Total Suspended Solids (mg/l)	-	-	100	1/Month <sup>3</sup>	Grab
Temperature	-	-	Report	1/Month <sup>3</sup>	Grab
Iron (mg/l)	-	-	Report	1/Quarter <sup>5</sup>	Grab
Total Magnesium (mg/l)	-	-	Report	1/Quarter <sup>5</sup>	Grab
Total Phosphorus (mg/l)	-	-	Report	1/Quarter <sup>5</sup>	Grab
Benzene (ug/l)	-	-	51	1/Quarter <sup>5</sup>	Grab
Priority Pollutants (ug/l) <sup>7, 8</sup>	-	-	Report	1/Quarter <sup>5</sup>	Grab
Whole Effluent Toxicity		Report LC <sub>50</sub> and Chronic Endpoint		1/Year	Composite <sup>9</sup>

Footnotes:

- Flow into the control manhole shall be measured using a recording meter. On a monthly basis, report the average monthly flow and the maximum daily flow.
- All samples, with the exception of flow and dry weather fecal coliform and E. coli bacteria, are to be taken within 30 minutes of discharge, but in no case later than the first hour of discharge.  
All samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measureable storm event (greater than 0.1 inches of rainfall).
- Sample frequency of once per month (1/Month) is defined as a sampling of one significant rainstorm (as defined in Footnote 2) in each calendar month.
- Fecal Coliform and E. coli bacteria should be sampled concurrently once per month (1/Month) during dry weather conditions.
- Sample frequency of once per quarter (1/Quarter) is defined as a sampling of one significant rainstorm (as defined in Footnote 2) in each calendar quarter (January - March, April - June, July - September, October - December).
- Samples taken in compliance with the monitoring requirments specified above shall be collected in the control manhole prior to discharge downstream into MBTA's drainage system.
- Conduct freshwater chronic and modified acute toxicity testing once per year using the test species Daphnid (Ceriodaphnia dubia) and the Fat Head Minnow (Pimphales promelas).  
The chronic test shall be used to calculate the acute LC<sub>50</sub> at the 48 hour exposure interval. Toxicity test samples shall be collected in the month of July.
- Refer to EPA New England's, "Self-Implementing Alternative Dilution Water Guidance".
- A composite sample consists of at least three grab samples collected over a three hour period.